

CLAIMS

1. (Currently amended) A polymer surface comprising a multilayer film or sheet wherein the polymer surface is the interior surface or exterior surface selected from the group consisting of automotive part, appliance panel, and aviation application; comprising:

a.) a first co-extruded polymeric layer consisting essentially of an ionomer and a first additive; and

b.) a second co-extruded polymeric layer consisting of an ionomer and a second additive;

wherein the film or sheet is a thermoformable film or sheet having a thickness in the range of from about 8 mils to about 60 mils; the first co-extruded polymeric layer is surface layer; the second co-extruded layer is in contact with said first co-extruded polymeric layer; and the first or second additive is one or more UV stabilizer, UV absorber, antioxidant, thermal stabilizer, anti-stat additive, processing aid, fiber glass, mineral filler, anti-slip agent, plasticizer, nucleating agent, pigment, dye, flake, or mixtures thereof.

3. (Currently amended) The polymer surface ~~A multilayer film or sheet~~ of Claim 1 wherein the polymer surface is the interior surface or exterior surface of the automotive part; the ionomer consists essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C₃ to C₈ carboxylic acid; and said copolymer is partially neutralized with metal ions.

6. (Currently amended) The polymer surface ~~A multilayer film or sheet~~ of Claim 1 wherein ~~said~~ polymer surface is the interior surface or exterior surface of the automotive part; the first co-extruded polymeric layer is clear; and said second co-extruded polymeric layer comprises the polymer and an additive selected from pigment, dye, flake, or mixtures thereof.

43. (Currently amended) The polymer surface of ~~A multilayer film or sheet~~ ~~An article comprising a substrate to which a multilayer film or sheet is adhered, wherein said multilayer film or sheet is the same as recited in claim~~ 1, 3, 6, 54, 55, 57, 58, 59, 60, 61, 65, 66, 67, 71, or 72 wherein the polymer surface is adhered to a substrate.

54. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 3 wherein the multilayer film or sheet further comprising a third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

55. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 6 wherein the multilayer film or sheet further comprising a third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.
57. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 6 wherein the thickness of the multilayer film or sheet is about 12 to about 40 mils.
58. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 54 wherein the thickness of the multilayer film or sheet is about 12 to about 40 mils.
59. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 55 wherein the thickness of the multilayer film or sheet is about 12 to about 40 mils.
60. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 3 about 12 to about 40 mils.
66. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 3 wherein the ionomer in the first co-extruded polymeric layer and the ionomer in the second co-extruded polymeric layer have flow properties that are matched to allow the ionomer in the first co-extruded layer and the ionomer in the second co-extruded polymeric layer, when co-extruded, flow to the full width of the die.
67. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 6 wherein the ionomer in the first co-extruded polymeric layer and the ionomer in the second co-extruded polymeric layer have flow properties that are matched to allow the ionomer in the first co-extruded layer and the ionomer in the second co-extruded polymeric layer, when co-extruded, flow to the full width of the die.
68. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 59 wherein the ionomer in the first co-extruded polymeric layer and the ionomer in the second co-extruded polymeric layer have flow properties that are matched to allow the ionomer in the first co-extruded layer and the ionomer in the second co-extruded polymeric layer, when co-extruded, flow to the full width of the die.
69. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 1 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

70. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 6 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

71. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 67 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

72. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 68 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

83. (Currently amended) The ~~article~~ polymer surface of claim 43 wherein the substrate is metal, polymer, or polymer composite; and the multilayer film or sheet is optionally clear.

84. (Currently amended) The ~~article~~ polymer surface of claim 83 wherein ~~the substrate is metal, polymer, or polymer composite and~~ the substrate ~~optionally~~ has a printed design or pattern and said multilayer film or sheet is clear.

85. (New) The polymer surface of Claim 1 wherein the polymer surface is the interior surface or exterior surface of the appliance panel; the ionomer consists essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C₃ to C₈ carboxylic acid; and the copolymer is partially neutralized with metal ions.

87. (New) The polymer surface of Claim 1 wherein polymer surface is the interior surface or exterior surface of the appliance panel; the first co-extruded polymeric layer is clear; and the second co-extruded polymeric layer comprises the polymer and an additive selected from pigment, dye, flake, or mixtures thereof.